

P802.3bk draft structure

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P802.3bk draft preparation

- » Conditions for preparing first P802.3bk draft
 - > Enough baseline proposals to address project objectives have been received and approved
 - > TF Editor has been selected and approved by the TF
 - > TF Editor has been chartered with generating the first working version of the draft (D0.1) for TF review
- » When do we start commenting on the draft?
 - > When TF believes that draft is complete enough and all objectives have associated baseline proposals
 - > TF Editor generates then D1.0 and TF review process is started
 - > TF membership comments on the draft, received comments are resolved and new draft versions are generated (D1.X) until draft is considered technically complete
 - > 802.3 WG review is then started on D2.0 version

D0.1 structure

- » Assuming all conditions for creating D0.1 are met, the draft structure would be as follows:
 - > front matter, table of content
 - > Clause 30: Management
 - > Clause 45: Management Data Input/Output (MDIO) Interface
 - > Clause 56: Introduction to Ethernet for subscriber access networks
 - > Clause 60: Physical Medium Dependent (PMD) sublayer and medium, type 1000BASE-PX10 and 1000BASE-PX20 (long wavelength passive optical networks)
 - > Clause 75 (and annexes): Physical Medium Dependent (PMD) sublayer and medium for passive optical networks, type 10GBASE-PR and 10/1GBASE-PRX

D0.1, Clause 30/45/56

» Clause 30:

- > Limited extensions to some objects storing PMD related information, e.g., aPhyType, aPhyTypeList, as needed
- > PBEx, if defined, may need new set of objects

» Clause 45:

- > Changes to some existing PMD-related registers will be needed: 1.7.5:0, 1.12, as needed
- > PBEx, if defined, may need new set of objects

» Clause 56:

- > Extend the existing description of Ethernet for subscriber access networks, to account for new PMD types, especially when listing new PMD types
- > PBEx, if defined, may need a new architecture drawing and associated descriptive text, showing its place in the access Ethernet architecture

D0.1, Clause 60/75 + annexes

» Clause 60:

- > Define PX30 and PX40 PMD classes and provide specific parameter sets for these PMDs
- > Move PX30 upstream definitions from Clause 75 to the appropriate table
- > Update lists of PMDs where and as needed
- > If PBEx is defined, add annex with parameters for 1G-EPON PBEx

» Clause 75 + annexes:

- > Define PRX40 and PR40 PMD classes and provide specific parameter sets for these PMDs
- > Move PX30 upstream definitions to Clause 60, leaving reference
- > Update lists of PMDs where and as needed (including annexes)
- > If PBEx is defined, add annex with parameters for 10G-EPON PBEx